

13000 GeV pp

 $t\bar{t}$  $y(t\bar{t})$  (cms2021-lh) $10^{-2}$  $10^{-3}$  $10^{-4}$ 

CMS



Pythia 8.315 default



Pythia 8.315 tune-A14-CTEQL1



Pythia 8.315 tune-A14-MSTW2008LO



Pythia 8.315 tune-A14-NNPDF2.3LO



Pythia 8.315 tune-CUETP8S1

(CMS\_2021\_l1901295)

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

2

1

0.5

2

1

0.5

0

1

2